Google Earth Engine Applications

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Message from the Collection Editors

The Google Earth Engine (GEE) platform contains petabyte-scale data for scientific analysis and visualization. After the Landsat image series were made freely available in 2008, Google consolidated this very large and useful data set and linked it to its cloud computing resources to make available to the scientific community one of the largest datasets for studying the earth's resources. GEE now includes satellite datasets from a number of other platforms, as well as many vector-based datasets.

This special issue calls for example applications of GEE all over the world and in all disciplines. We particularly encourage articles from developing nations on how the availability of GEE data and processing has enabled new research that was difficult or impossible before. We also encourage papers on issues about using GEE, processing shortcomings, programming, and difficulties in handling data in the cloud atmosphere. Anything to do with GEE is suitable for this special issue.

Keywords: Google Earth Engine; Landsat Change detection; Agricultural mapping; Urban changes; MODIS; Sentinel-2; Cloud processing; Google Compute Engine

Topical Collection

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Message from the Editor-in-Chief

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